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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/076,664	02/19/2002	Katsuhiko Tsunehara	ASAM.0040	. 1722
7.	590 06/16/2005	•	EXAM	INER
Stanley P. Fisher			APPIAH, CHARLES NANA	
Reed Smith Ha	zel & Thomas LLP			
Suite 1400			ART UNIT	PAPER NUMBER
3110 Fairview Park Drive			2686	
Falls Church, VA 22042-4503			DATE MAILED: 06/16/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	
Office Action Summary		10/076,664	TSUNEHARA ET AL.	
		Examiner	Art Unit	
		Charles Appiah	2686	
Period fo	The MAILING DATE of this communication ap			
A SH THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. a period for reply specified above is less than thirty (30) days, a repl period for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statutive reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be tin ly within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from e. cause the application to become ARANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35.U.S.C. 8.133)	
Status				
1)⊠ 2a)□ 3)□	Responsive to communication(s) filed on 10 Å This action is FINAL . 2b) This Since this application is in condition for alloward closed in accordance with the practice under A	s action is non-final. ince except for formal matters, pro		
Dienoeiti	ion of Claims	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
4)⊠ 5)⊠ 6)⊠ 7)□	Claim(s) <u>2-10 and 12</u> is/are pending in the apparate of the above claim(s) is/are withdrate Claim(s) <u>10</u> is/are allowed. Claim(s) <u>2-9 and 12</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	wn from consideration.		
Applicati	ion Papers			
10)□	The specification is objected to by the Examine The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Example 2.	epted or b) objected to by the Education of the Education of the Idea of the I	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).	
Priority u	ınder 35 U.S.C. § 119			
12)[a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureasee the attached detailed Office action for a list	s have been received. s have been received in Application rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage	
Attachmen	t(s)			
1) Notice 2) Notice 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	(PTO-413) te atent Application (PTO-152)	

Application/Control Number: 10/076,664

Art Unit: 2686

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on May 10, 2005 has been entered.

Double Patenting

2. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

3. Claims 2-9 and 12 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-9 of copending Application No. 10/274,970 (US 2003/0050079). Although the conflicting claims are not identical, they are not patentably distinct from each other because the

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limitation of "wherein when the position calculation method control signal entered from the position calculation method controller corresponds to three or more base stations available for position calculation, the position calculation unit performs the position based on trilateration; when the position calculation method control signal corresponds to two base stations available for position calculation, the position calculation unit performs the position calculation by using a two-station-base position calculation unit; and when the position calculation method control signal corresponds to one base station available for position calculation, the position calculation unit performs the position calculation by using a one-station-based position calculation unit" being met by "wherein if PN offset values corresponding to two or more of said plurality of radio station are same, said CPU selects radio stations to be used for position calculation by determining not to use at least one of the radio stations corresponding to said PN offset value for position calculation".

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Allowable Subject Matter

- 4. Claim 10 is allowed.
- 5. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 10, the most relevant prior art off record Bergen (6,097,958) teaches equipment for calculating a mobile handset position by using a cellular radio wave (see abstract), comprising: a signal receiver for receiving a cellular radio wave to Art Unit: 2686

generate a reception signal (exchange of signaling between mobile phone communicating with at least primary BTS and one or more secondary BTSes, col. 2, line 66 to col. 3, line 3), a position calculation information generator for generating position calculation information necessary for position calculation by using the reception signal (feature of BSC informing secondary BTSes what sector to make the time measurements, as well as instructing the primary BTS and the secondary BTSes as to the time at which to take the time measurement ..., col. 3, line 61 to col. 4, line 10), a base station selection unit for selecting base stations available for position calculation according to the position calculation information (inherent feature of BSC 12 determining the three most geometrically well-positioned BTSes available to determine the mobile phone's location, col. 3, lines 30-44), an inherent base station number counter for counting the number of base stations selected by the base station selection unit (it is inherent the BSC 12 keeps a count of the BTSes that are selected in order to provide the best data that can be used to determine the location of the mobile phone. col. 3, lines 30-44), a position calculation method controller for generating according to the number of selected base stations a position calculation control signal to control the position calculation method (BSC 12 informing secondary BTSes what sector to make time measurements, as well as instructing the primary BTS and the secondary BTSes as to the time at which to take the time measurement ..., col. 3, line 61 to col. 4, line 10, STS 15 of BSC 12 constructing and providing measurement schedule, col. 4, line 55 to

col. 5, line 26), a position calculation unit for calculating, according to the position

calculation method specified by the position calculation method control signal, the

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mobile handset position from the position calculation information and the information on the base stations selected by the base station selection unit (BSC 12 using the time measurements made by the BTSes P1, S1, S2, S3 and S4 to determine the location if the mobile phone 16 by applying TDOA techniques to the time measurement data, col. 4, lines 11-54), and a position information application unit for using the mobile handset position to provide a user with information (use of tracking data to predict when a mobile phone may require hard handoff, facilitating the determination of network traffic for planning, network expansions and updates, market studies and providing location information to the mobile phone for future data services, such as computerized directions, col. 2, lines 7-17, and col.6, lines 22-57). Neither Bergen nor any of the prior art of record teach the feature of the position information application unit controlling information to be provided to the user in addition to the mobile handset position according to the number of base stations selected by the base station selection unit in combination.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Drane et al. (6,275,705() discloses a method for finding a position.

Moon (6,405,047) discloses a system for tracking a mobile station's position in a mobile communication system.

Kennedy, Jr. (6,871,077) discloses a system for geo-locating a mobile wireless mobile unit from a single based station.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles Appiah whose telephone number is 571 272-7904. The examiner can normally be reached on M-F 7:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold can be reached on 571 272-7905. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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